

# Sidney G. Winter<sup>\*</sup>

2015 Award Winner

## **Career**

Born 1935

BA, Swarthmore College (1956)

MA, Yale University (1957)

PhD, Yale University (1964)

Assistant and associate professor, University of California (1963–1966)

Professor, University of Michigan (1968–1976)

Professor, Yale University (1976–1989)

Chief Economist, U.S. General Accounting Office, Washington, D.C. (1989–1993)

Professor, Wharton School, University of Pennsylvania (1993–2008)

Professor *emeritus*, Wharton School, University of Pennsylvania (2008–)

## **Major Scientific Contributions in the Fields of the Award**

### ***Books***

Nelson, Richard R. and Sidney G. Winter (1982), *An Evolutionary Theory of Economic Change*. Cambridge: Harvard University Press.

Williamson, Oliver E. and Sidney G. Winter, eds., (1991), *The Nature of the Firm: Origins, Evolution, Development*. New York: Oxford University Press.

Dosi, Giovanni, Richard R. Nelson and Sidney G. Winter, eds., (2000) *The Nature and Dynamics of Organizational Capabilities*. New York: Oxford University Press.

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<sup>\*</sup> This biography covers Sidney G. Winter's work until January 2015.

Helfat, Constance E., Sydney Finkelstein, Will Mitchell, Margaret Peteraf, Harbir Singh, David Teece and Sidney G. Winter (2007), *Dynamic Capabilities: Understanding Strategic Change in Organizations*. Oxford: Blackwell Publishing.

### ***Journal Articles***

Winter, Sidney G. (1964), "Economic 'Natural Selection' and the Theory of the Firm." *Yale Economic Essays* 4(1), 225–272.

\_\_\_\_\_ (1971), "Satisficing, Selection and the Innovating Remnant." *Quarterly Journal of Economics* 85(2), 237–261.

Nelson, Richard R. and Sidney G. Winter (1973), "Toward an Evolutionary Theory of Economic Capabilities." *American Economic Review*, 63(2) 440–449.

Nelson, Richard R. and \_\_\_\_\_ (1974), "Neoclassical vs. Evolutionary Theories of Economic Growth: Critique and Prospectus." *Economic Journal* 84(336), 886–905.

Nelson, Richard R. and \_\_\_\_\_ (1977), "In Search of Useful Theory of Innovation." *Research Policy* 6(1), 36–76.

Winter, Sidney G. (1984), "Schumpeterian Competition in Alternative Technological Regimes." *Journal of Economic Behavior and Organization* 5(3–4), 287–320.

Levin, Richard C., Alvin K. Klevorick, Richard R. Nelson, Sidney G. Winter (1987), "Appropriating the Returns from Industrial Research and Development." *Brookings Papers on Economic Activity* 1987(3), 783–820.

Teece, David J., Richard Rumelt, Giovanni Dosi and Sidney G. Winter (1994), "Understanding Corporate Coherence: Theory and Evidence." *Journal of Economic Behavior and Organization* 23(1), 1–30.

Kleivorick, Alvin K., Richard C. Levin, Richard R. Nelson, Sidney G. Winter (1995), "On the Sources and Significance of Interindustry Differences in Technological Opportunities." *Research Policy* 24(2), 185–205.

Winter, Sidney G., Yuri M. Kaniovski and Giovanni Dosi (2000), "Modeling Industrial Dynamics with Innovative Entrants." *Structural Change and Economic Dynamics* 11(3), 255–293.

Winter, Sidney G. (2000), "The Satisficing Principle in Capability Learning." *Strategic Management Journal* 21(10–11), 981–996.

Winter, Sidney G. and Gabriel Szulanski (2001), "Replication as Strategy." *Organization Science* 12(6), 730–743.

- Zollo, Maurizio and Sidney G. Winter (2002), "Deliberate Learning and the Evolution of Dynamic Capabilities." *Organization Science* 13(3), 339–351.
- Nelson, Richard R. and Sidney G. Winter (2002), "Evolutionary Theorizing in Economics." *Journal of Economic Perspectives* 16(2), 23–46.
- Winter, Sidney G. (2003), "Understanding Dynamic Capabilities." *Strategic Management Journal* 24(10), 991–995.
- Denrell, Jerker, Christina Fang and Sidney G. Winter (2003), "The Economics of Strategic Opportunity." *Strategic Management Journal* 24 (October Special Issue), 977–990.
- Jacobides, Michael G. and Sidney G. Winter (2005), "The Co-evolution of Capabilities and Transaction Costs: Explaining the Institutional Structure of Production." *Strategic Management Journal* 26(5), 395–413.
- Winter, Sidney G. (2006), "Toward a Neo-Schumpeterian Theory of the Firm." *Industrial and Corporate Change* 15(1), 125–141.
- \_\_\_\_\_ (2006), "The Logic of Appropriability: From Schumpeter to Arrow to Teece." *Research Policy* 35(8), 1100–1106.
- Jacobides, Michael G. and Sidney G. Winter (2007), "Entrepreneurship and Firm Boundaries: The Theory of A Firm." *Journal of Management Studies* 44(7), 1213–1241.
- Sidney G. Winter (2008), "Scaling Heuristics Shape Technology! Should Economic Theory Take Notice?" *Industrial and Corporate Change*, 17(3), 513–531.
- Helfat, Constance and Sidney G. Winter (2011), "Untangling Dynamic and Operational Capabilities: Strategy for the (N)ever-Changing World." *Strategic Management Journal* 32(11), 1243–1250.
- Jacobides, Michael and Sidney G. Winter (2012), "Capabilities: Structure, Agency and Evolution." *Organization Science* 23(5), 1365–1381.
- Winter, Sidney G. (2013), "Habit, Deliberation and Action: Strengthening the Microfoundations of Routines and Capabilities." *Academy of Management Perspectives* 27(2), 120-137.

### ***Book Chapters***

- Winter, Sidney G. (1987), “Knowledge and Competence as Strategic Assets.” In David J. Teece, ed., *The Competitive Challenge: Strategies for Industrial Innovation and Renewal*. Cambridge, MA: Ballinger, 159–184.
- Winter, Sidney G. (1995), “Four Rs of Profitability: Rents, Resources, Routines and Replication.” In Cynthia Montgomery, ed., *Resource-Based and Evolutionary Theories of the Firm: Towards a Synthesis*. Boston: Kluwer Academic Publishers, 147–178.
- Winter, Sidney G. (2008), “Dynamic Capability as a Source of Change,” In A. Ebner and N. Beck, eds., *The Institutions of the Market: Organizations, Social Systems, and Governance*. Oxford: Oxford University Press, 40–65.